



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	10/583,096
Confirmation No.	:	1266
Applicant	:	Lopatin
Filed	:	June 19, 2006
Title	:	Method and Apparatus for Manufacturing a Measuring Device for Determining and/or Monitoring a Process Variable and Measuring Device
TC/A.U.	:	2856
Examiner	:	D.A.Rogers
Docket No.	:	LOPA3009/FJD
Customer No.	:	23364

RESPONSE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following amendments are being submitted pursuant to the provisions of 37 CFR 1.111 in response to the Office Action of February 9, 2009.

Please replace the paragraph which begins on page 1, line 16 and ends on page 2, line 2, with the following rewritten paragraph:

[[The]] Endress + Hauser manufactures and sells fill level measuring devices under the mark LIQUIPHANT. These measuring devices include, as the mechanically oscillatable unit, an oscillatory fork of two tines, which are excited to mechanical oscillations via a membrane, or diaphragm, by a piezoelectric element as driver/receiver unit. In such case, the two tines of the fork oscillate with opposite phase relative to one another. If the medium, whose fill level is to be monitored, comes in contact with the oscillatable unit, then this leads to a change in the frequency and/or amplitude of the oscillations. In this way, the reaching of a fill level can be detected. Correspondingly, it is also possible to detect the subceeding, or falling beneath, of a fill level, i.e. when the oscillating fork is initially covered by medium and then the level sinks. The membrane, on which the oscillatable unit is attached and via which it is excited to oscillate, or via which the oscillations are received, as the case may be, is connected with a housing of the device, or with a container wall, via a securement. Additionally usually provided in the measuring device is an amplifying unit, which amplifies and feeds-back the received signals.